

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/588,911  
Source: IFWP  
Date Processed by STIC: 8/18/06

***ENTERED***



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/588,911

DATE: 08/18/2006

TIME: 15:41:20

Input Set : E:\PC32145ASeqList.txt  
 Output Set: N:\CRF4\08182006\J588911.raw

```

3 <110> APPLICANT: Warner-Lambert Company LLC
4      Bove, Susan R
5      Kilgore, Kenneth
7 <120> TITLE OF INVENTION: Methods of Treating Osteoarthritis with IL-6 Antagonists
9 <130> FILE REFERENCE: PC32145A
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/588,911
C--> 11 <141> CURRENT FILING DATE: 2006-08-09
11 <150> PRIOR APPLICATION NUMBER: 60/543,814
12 <151> PRIOR FILING DATE: 2004-02-11
14 <150> PRIOR APPLICATION NUMBER: PCT/IB2005/000240
15 <151> PRIOR FILING DATE: 2005-01-31
17 <160> NUMBER OF SEQ ID NOS: 12
19 <170> SOFTWARE: PatentIn version 3.3
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 636
23 <212> TYPE: DNA
24 <213> ORGANISM: Mus musculus
26 <400> SEQUENCE: 1
27 atgaagttcc tctctgcaag agacttccat ccagttgcct tcttggact gatgctgg 60
29 acaaccacgg ctttccttac ttccacaagtc cggagaggag acttcacaga ggataccact 120
31 cccaacagac ctgtctatac cacttcacaa gtcggaggct taattacaca tgttctctgg 180
33 gaaatcgtagg aaatgagaaaa agagttgtgc aatggcaatt ctgattgtat gaacaacgat 240
35 gatgcacttg cagaaaacaa tctgaaaactt ccagagatac aaagaaaatga tggatgctac 300
37 caaactggat ataatcagga aatttgccta ttgaaaattt cctctggct tctggagtac 360
39 catagctacc tggagtagat gaagaacaaac ttaaaaagata acaagaaaaga caaagccaga 420
41 gtccttcaga gagatacaga aactctaatt catatctca accaagaggtaaaaagattta 480
43 cataaaaatag tccttcctac cccaatttcc aatgctctcc taacagataa gctggagtca 540
45 cagaaggagt ggctaaggac caagaccatc caattcatct tgaatcact tgaagaattt 600
47 ctaaaaagtca cttttagatc tactcggcaa acctag 636
50 <210> SEQ ID NO: 2
51 <211> LENGTH: 211
52 <212> TYPE: PRT
53 <213> ORGANISM: Mus musculus
55 <400> SEQUENCE: 2
57 Met Lys Phe Leu Ser Ala Arg Asp Phe His Pro Val Ala Phe Leu Gly
58 1           5           10          15
61 Leu Met Leu Val Thr Thr Ala Phe Pro Thr Ser Gln Val Arg Arg
62           20          25          30
65 Gly Asp Phe Thr Glu Asp Thr Thr Pro Asn Arg Pro Val Tyr Thr Thr
66           35          40          45
69 Ser Gln Val Gly Gly Leu Ile Thr His Val Leu Trp Glu Ile Val Glu
70           50          55          60
73 Met Arg Lys Glu Leu Cys Asn Gly Asn Ser Asp Cys Met Asn Asn Asp

```

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/588,911**

**DATE: 08/18/2006**  
**TIME: 15:41:20**

**Input Set : E:\PC32145ASeqList.txt**  
**Output Set: N:\CRF4\08182006\J588911.raw**

74	65	70	75	80	
77	Asp Ala Leu Ala Glu Asn Asn Leu Lys Leu Pro Glu Ile Gln Arg Asn				
78		85	90	95	
81	Asp Gly Cys Tyr Gln Thr Gly Tyr Asn Gln Glu Ile Cys Leu Leu Lys				
82		100	105	110	
85	Ile Ser Ser Gly Leu Leu Glu Tyr His Ser Tyr Leu Glu Tyr Met Lys				
86		115	120	125	
89	Asn Asn Leu Lys Asp Asn Lys Lys Asp Lys Ala Arg Val Leu Gln Arg				
90		130	135	140	
93	Asp Thr Glu Thr Leu Ile His Ile Phe Asn Gln Glu Val Lys Asp Leu				
94		145	150	155	160
97	His Lys Ile Val Leu Pro Thr Pro Ile Ser Asn Ala Leu Leu Thr Asp				
98		165	170	175	
101	Lys Leu Glu Ser Gln Lys Glu Trp Leu Arg Thr Lys Thr Ile Gln Phe				
102		180	185	190	
105	Ile Leu Lys Ser Leu Glu Glu Phe Leu Lys Val Thr Leu Arg Ser Thr				
106		195	200	205	
109	Arg Gln Thr				
110		210			
113	<210> SEQ ID NO: 3				
114	<211> LENGTH: 636				
115	<212> TYPE: DNA				
116	<213> ORGANISM: Rattus norvegicus				
118	<400> SEQUENCE: 3				
119	atgaagtttc tctccgcaag agacttccag ccagttgcct tcttggact gatgttgttg	60			
121	acagccactg ccttccctac ttccacaagtcc cgaggaggag acttcacaga ggataccacc	120			
123	cacaacagac cagtatac cacttcacaa gtcggaggct taattacata tgttctcagg	180			
125	gagatcttgg aaatgagaaa agagttgtgc aatggcaatt ctgattgtat gaacagcgat	240			
127	gatgcactgt cagaaaaacaa tctgaaaactt ccagaaaatac aaagaaaatga tggatgcttc	300			
129	caaactggat ataaccagga aatttgccta ttgaaaatct gctctggct tctggagttc	360			
131	cgtttctacc tggagttgt gaagaacaac ttacaagata acaagaaaaca caaagccaga	420			
133	gtcattcaga gcaataactga aacccttagtt catacttca aacaagagat aaaagactca	480			
135	tataaaatag tccttccctac cccaacttcc aatgctctcc taatggagaaa gttagagtca	540			
137	cagaaggagt ggctaaggac caagaccatc caactcatct tgaaagcact tgaagaattt	600			
139	ctaaaggtca ctatgaggc tactcggcaa acctag	636			
142	<210> SEQ ID NO: 4				
143	<211> LENGTH: 211				
144	<212> TYPE: PRT				
145	<213> ORGANISM: Rattus norvegicus				
147	<400> SEQUENCE: 4				
149	Met Lys Phe Leu Ser Ala Arg Asp Phe Gln Pro Val Ala Phe Leu Gly				
150	1	5	10	15	
153	Leu Met Leu Leu Thr Ala Thr Ala Phe Pro Thr Ser Gln Val Arg Arg				
154		20	25	30	
157	Gly Asp Phe Thr Glu Asp Thr Thr His Asn Arg Pro Val Tyr Thr Thr				
158		35	40	45	
161	Ser Gln Val Gly Gly Leu Ile Thr Tyr Val Leu Arg Glu Ile Leu Glu				
162		50	55	60	
165	Met Arg Lys Glu Leu Cys Asn Gly Asn Ser Asp Cys Met Asn Ser Asp				

**RAW SEQUENCE LISTING** DATE: 08/18/2006  
**PATENT APPLICATION:** US/10/588,911 **TIME:** 15:41:20

**Input Set : E:\PC32145ASeqList.txt**  
**Output Set: N:\CRF4\08182006\J588911.raw**

166	65	70	75	80												
169	Asp	Ala	Leu	Ser	Glu	Asn	Asn	Leu	Lys	Leu	Pro	Glu	Ile	Gln	Arg	Asn
170					85				90					95		
173	Asp	Gly	Cys	Phe	Gln	Thr	Gly	Tyr	Asn	Gln	Glu	Ile	Cys	Leu	Leu	Lys
174					100				105					110		
177	Ile	Cys	Ser	Gly	Leu	Leu	Glu	Phe	Arg	Phe	Tyr	Leu	Glu	Phe	Val	Lys
178					115				120					125		
181	Asn	Asn	Leu	Gln	Asp	Asn	Lys	Lys	Asp	Lys	Ala	Arg	Val	Ile	Gln	Ser
182					130				135					140		
185	Asn	Thr	Glu	Thr	Leu	Val	His	Ile	Phe	Lys	Gln	Glu	Ile	Lys	Asp	Ser
186	145					150					155				160	
189	Tyr	Lys	Ile	Val	Leu	Pro	Thr	Pro	Thr	Ser	Asn	Ala	Leu	Leu	Met	Glu
190						165				170				175		
193	Lys	Leu	Glu	Ser	Gln	Lys	Glu	Trp	Leu	Arg	Thr	Lys	Thr	Ile	Gln	Leu
194						180				185				190		
197	Ile	Leu	Lys	Ala	Leu	Glu	Glu	Phe	Leu	Lys	Val	Thr	Met	Arg	Ser	Thr
198						195			200					205		
201	Arg	Gln	Thr													
202		210														
205	<210>	SEQ ID NO:	5													
206	<211>	LENGTH:	639													
207	<212>	TYPE:	DNA													
208	<213>	ORGANISM:	Human													
210	<400>	SEQUENCE:	5													
211	atgaactcct	tctccacaag	cgccttcgg	ccagttgcct	tctccctggg	gctgctcctg									60	
213	gtgttgcctg	ctgccttccc	tgccccagta	cccccaggag	aagattccaa	agatgttagcc									120	
215	gccccacaca	gacagccact	caccttca	gaacgaattg	acaaacaaaat	tccgtacatc									180	
217	ctcgacggca	tctcagccct	gagaaaggag	acatgttaaca	agagtaaacat	gtgtgaaagc									240	
219	agcaaagagg	cactggcaga	aaacaacctg	aaccttccaa	agatggctga	aaaagatgga									300	
221	tgcttccaat	ctggattcaa	tgaggagact	tgcctggta	aaatcatcac	tggcttttg									360	
223	gagtttgagg	tatacctaga	gtacctccag	aacagattt	agagtagtga	ggaacaagcc									420	
225	agagctgtgc	agatgagtac	aaaagtcctg	atccagttcc	tgcagaaaaaa	ggcaaagaat									480	
227	ctagatgcaa	taaccacccc	tgacccaaacc	acaaatgcc	gcctgctgac	gaagctgcag									540	
229	gcacagaacc	agtggctgca	ggacatgaca	actcatctca	ttctgcgcag	ctttaaggag									600	
231	tccctgcagt	ccagcctgag	ggcttccgg	caaatgtag											639	
234	<210>	SEQ ID NO:	6													
235	<211>	LENGTH:	212													
236	<212>	TYPE:	PRT													
237	<213>	ORGANISM:	Human													
239	<400>	SEQUENCE:	6													
241	Met	Asn	Ser	Phe	Ser	Thr	Ser	Ala	Phe	Gly	Pro	Val	Ala	Phe	Ser	Leu
242	1			5				10						15		
245	Gly	Leu	Leu	Leu	Val	Leu	Pro	Ala	Ala	Phe	Pro	Ala	Pro	Val	Pro	Pro
246					20				25					30		
249	Gly	Glu	Asp	Ser	Lys	Asp	Val	Ala	Ala	Pro	His	Arg	Gln	Pro	Leu	Thr
250					35				40					45		
253	Ser	Ser	Glu	Arg	Ile	Asp	Lys	Gln	Ile	Arg	Tyr	Ile	Leu	Asp	Gly	Ile
254					50				55					60		
257	Ser	Ala	Leu	Arg	Lys	Glu	Thr	Cys	Asn	Lys	Ser	Asn	Met	Cys	Glu	Ser

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/588,911 DATE: 08/18/2006  
 TIME: 15:41:20

Input Set : E:\PC32145ASeqList.txt  
 Output Set: N:\CRF4\08182006\J588911.raw

258	65	70	75	80
261	Ser Lys Glu Ala Leu Ala Glu Asn Asn Leu Asn Leu Pro Lys Met Ala			
262	85	90	95	
265	Glu Lys Asp Gly Cys Phe Gln Ser Gly Phe Asn Glu Glu Thr Cys Leu			
266	100	105	110	
269	Val Lys Ile Ile Thr Gly Leu Leu Glu Phe Glu Val Tyr Leu Glu Tyr			
270	115	120	125	
273	Leu Gln Asn Arg Phe Glu Ser Ser Glu Glu Gln Ala Arg Ala Val Gln			
274	130	135	140	
277	Met Ser Thr Lys Val Leu Ile Gln Phe Leu Gln Lys Lys Ala Lys Asn			
278	145	150	155	160
281	Leu Asp Ala Ile Thr Thr Pro Asp Pro Thr Thr Asn Ala Ser Leu Leu			
282	165	170	175	
285	Thr Lys Leu Gln Ala Gln Asn Gln Trp Leu Gln Asp Met Thr Thr His			
286	180	185	190	
289	Leu Ile Leu Arg Ser Phe Lys Glu Phe Leu Gln Ser Ser Leu Arg Ala			
290	195	200	205	
293	Leu Arg Gln Met			
294	210			
297	<210> SEQ ID NO: 7			
298	<211> LENGTH: 1323			
299	<212> TYPE: DNA			
300	<213> ORGANISM: Mus musculus			
302	<400> SEQUENCE: 7			
303	atgctgaccg tcggctgcac gctgttggc gcctgtctgg ccgcgcggc ggtcgccgtg		60	
305	gtcctcgga gctgccgcg cgtggagggt gcaaatggca cagtacaag cctgccagg		120	
307	gccaccgtta ccctgatttg ccccgaaaag gaagcagcag gcaatgttac cattcaactgg		180	
309	gtgtactctg gtcacaaaaa cagagaatgg actaccacag gaaacacact gttctgagg		240	
311	gacgtgcagc tcagcgacac tggggactat ttatgctccc tgaatgatca cctgggg		300	
313	actgtgcctt tgctgggta tggcccca gaggagccca agctctctg cttccggaaag		360	
315	aacccttgc tcaacgccc ctgtgagttt cgccggca gcacccttc tccaaccacg		420	
317	aaggctgtgc tgtttgcataa gaaaatcaac accaccaacg ggaagagtga ctccagg		480	
319	ccctgccagt attctcagca gctgaaaagc ttctcctgcc aggtggagat cctggagg		540	
321	gacaaagtat accacatagt gtcactgtgc gttgcaaaca gtgtggaaag caagtccagc		600	
323	cacaacgaaag cgttcacatg cttaaaaatg gtgcagccgg atccacctgc caacccctg		660	
325	gtatcagcca tacctggaaag gccgcgtgg ctcaaagtca gctggcagca ccctgagacc		720	
327	tgggaccctgaa gttactactt gtcagtttc cagtttcgat accgacctgt atggtaaaag		780	
329	gagttcacgg tggctgtctt cccggggcc cagtagccat gctcatcca tgcgttgc		840	
331	cgaggagtga agcacgttgtt ccaggtccgt gggaggagg agcttgcaccc tggccagtgg		900	
333	agtgaatggt ccccgagggt cacgggact cttggatag cagagcccg gaccaccccg		960	
335	gcaggaatcc tctggaaacc cacacagggtc tctgttgc gacttgcaccc cagtgcaaga atcctcg		1020	
337	cagtacgaaa gttctacaga agcaacggat gtcctgc ctttgc tgcgttgc		1080	
339	atgtccctgc ccacatttc ggttagtgc ggaagcttgg ctttgggtt gcttctctgt		1140	
341	gtcttcatca tcctgtgtt ggagccgcg ccacattcgc ctttacaaga tggcgctgac		1200	
343	agctgtgttc taagtggtaa acaaataatc tgccatgtg ccgggggtgg ttctccactc		1260	
345	catgtgctct gcctcccccg tgacgtcaac tcggccgtat ggcgtcagcc aatcagg		1320	
347	tga		1323	
350	<210> SEQ ID NO: 8			
351	<211> LENGTH: 364			

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/588,911**

**DATE: 08/18/2006**  
**TIME: 15:41:20**

**Input Set : E:\PC32145ASeqList.txt**  
**Output Set: N:\CRF4\08182006\J588911.raw**

```

352 <212> TYPE: PRT
353 <213> ORGANISM: Mus musculus
355 <400> SEQUENCE: 8
357 Met Leu Thr Val Gly Cys Thr Leu Leu Val Ala Leu Leu Ala Ala Pro
358 1 5 10 15
361 Ala Val Ala Leu Val Leu Gly Ser Cys Arg Ala Leu Glu Val Ala Asn
362 20 25 30
365 Gly Thr Val Thr Ser Leu Pro Gly Ala Thr Val Thr Leu Ile Cys Pro
366 35 40 45
369 Gly Lys Glu Ala Ala Gly Asn Val Thr Ile His Trp Val Tyr Ser Gly
370 50 55 60
373 Ser Gln Asn Arg Glu Trp Thr Thr Gly Asn Thr Leu Val Leu Arg
374 65 70 75 80
377 Asp Val Gln Leu Ser Asp Thr Gly Asp Tyr Leu Cys Ser Leu Asn Asp
378 85 90 95
381 His Leu Val Gly Thr Val Pro Leu Leu Val Asp Val Pro Pro Glu Glu
382 100 105 110
385 Pro Lys Leu Ser Cys Phe Arg Lys Asn Pro Leu Val Asn Ala Ile Cys
386 115 120 125
389 Glu Trp Arg Pro Ser Ser Thr Pro Ser Pro Thr Thr Lys Ala Val Leu
390 130 135 140
393 Phe Ala Lys Lys Ile Asn Thr Thr Asn Gly Lys Ser Asp Phe Gln Val
394 145 150 155 160
397 Pro Cys Gln Tyr Ser Gln Gln Leu Lys Ser Phe Ser Cys Gln Val Glu
398 165 170 175
401 Ile Leu Glu Gly Asp Lys Val Tyr His Ile Val Ser Leu Cys Val Ala
402 180 185 190
405 Asn Ser Val Gly Ser Lys Ser Ser His Asn Glu Ala Phe His Ser Leu
406 195 200 205
409 Lys Met Val Gln Pro Asp Pro Pro Ala Asn Leu Val Val Ser Ala Ile
410 210 215 220
413 Pro Gly Arg Pro Arg Trp Leu Lys Val Ser Trp Gln His Pro Glu Thr
414 225 230 235 240
417 Trp Asp Pro Ser Tyr Tyr Leu Leu Gln Phe Gln Leu Arg Tyr Arg Pro
418 245 250 255
421 Val Trp Ser Lys Glu Phe Thr Val Leu Leu Leu Pro Val Ala Gln Tyr
422 260 265 270
425 Gln Cys Val Ile His Asp Ala Leu Arg Gly Val Lys His Val Val Gln
426 275 280 285
429 Val Arg Gly Lys Glu Glu Leu Asp Leu Gly Gln Trp Ser Glu Trp Ser
430 290 295 300
433 Pro Glu Val Thr Gly Thr Pro Trp Ile Ala Glu Pro Arg Thr Thr Pro
434 305 310 315 320
437 Ala Gly Ile Leu Trp Asn Pro Thr Gln Val Ser Val Glu Asp Ser Ala
438 325 330 335
441 Asn His Glu Asp Gln Tyr Glu Ser Ser Thr Glu Ala Thr Ser Val Leu
442 340 345 350
445 Ala Pro Val Gln Glu Ser Ser Ser Met Ser Leu Pro
446 355 360

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/588,911

DATE: 08/18/2006

TIME: 15:41:21

Input Set : E:\PC32145ASeqList.txt

Output Set: N:\CRF4\08182006\J588911.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date